

**MONSERATE VINEYARD**

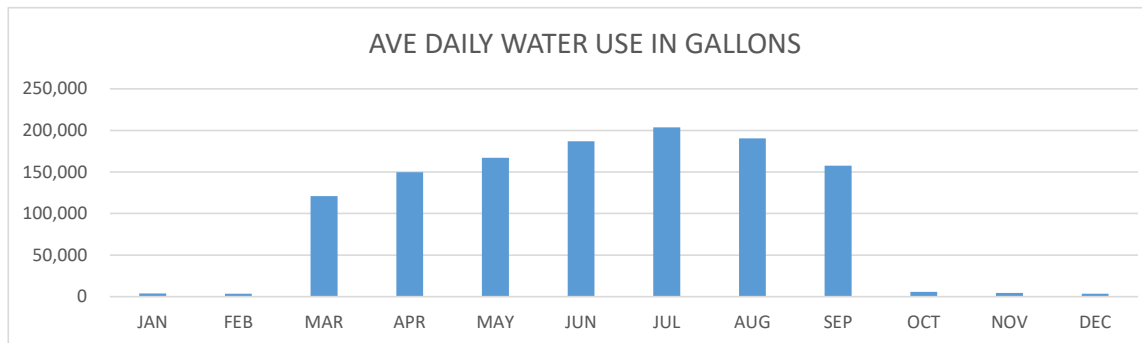
**IRRIGATION WATER PROJECTIONS  
TOTAL SEASON REQUIREMENTS AND PEAK FLOW  
SEASONAL WATER USE**



3/27/2018

GRAPES: 10 HR WINDOW  
TURF: 6 HR WINDOW

Area Description	Total Area (Sq. Ft.)	Total Area (Acre)	Total Season Req.(Ac.Ft.)	Peak Season Flow(GPM)
<b>TOTAL ALL AREAS</b>				
GRAPES	2,521,159	57.9	103.4	321
LANDSCAPE	0	0.0	0.0	0
TURF	245,545	5.6	17.0	56
LAKES	79,944	1.8	6.9	10
<b>TOTAL</b>	<b>2,846,648</b>	<b>65.4</b>	<b>127.2</b>	<b>386</b>



**ENV. LOG NO. PDS 2018-ER-18-02-003**

Area Description	Irrigated Area (Square Feet)	Irrigated Area (Acres)	Month	Application Rate (Inches)	Monthly Req. (Gallons)	Monthly Req. (Acre Feet)	Peak Flow (GPM)
<b>GRAPES</b>							
	2,521,159	57.88	Jan.	0.00	0	0.0	0
			Feb.	0.00	0	0.0	0
			Mar.	2.21	3,466,080	10.6	191
			Apr.	2.73	4,286,764	13.2	236
			May.	3.04	4,784,413	14.7	263
			Jun.	3.41	5,351,907	16.4	294
			Jul.	3.71	5,832,095	17.9	321
			Aug.	3.47	5,447,945	16.7	300
			Sep.	2.87	4,513,762	13.9	248
			Oct.	0.00	0	0.0	0
			Nov.	0.00	0	0.0	0
			Dec.	0.00	0	0.0	0
Sub Total				21.43	33,682,967	103.4	321

Area Description	Irrigated Area (Square Feet)	Irrigated Area (Acres)	Month	Application Rate (Inches)	Monthly Req. (Gallons)	Monthly Req. (Acre Feet)	Peak Flow (GPM)
<b>TURF</b>							
	245,545	5.64	Jan.	2.17	331,826	1.0	30
			Feb.	2.14	326,928	1.0	30
			Mar.	3.18	486,107	1.5	45
			Apr.	2.95	450,904	1.4	41
			May.	3.29	503,249	1.5	46
			Jun.	3.68	562,941	1.7	52
			Jul.	4.01	613,450	1.9	56
			Aug.	3.74	573,043	1.8	53
			Sep.	3.10	474,781	1.5	44
			Oct.	3.30	505,698	1.6	46
			Nov.	2.54	389,375	1.2	36
			Dec.	2.07	317,133	1.0	29
Sub Total				36.17	5,535,437	17.0	56

Area Description	Irrigated Area (Square Feet)	Irrigated Area (Acres)	Month	Application Rate (Inches)	Monthly Req. (Gallons)	Monthly Req. (Acre Feet)	Peak Flow (GPM)
<b>LAKES</b>							
	79,944	1.84	Jan.	2.26	112,789	0.3	4
			Feb.	2.23	111,124	0.3	4
			Mar.	3.32	165,229	0.5	6
			Apr.	4.10	204,352	0.6	7
			May.	4.58	228,075	0.7	8
			Jun.	5.12	255,127	0.8	9
			Jul.	5.58	278,018	0.9	10
			Aug.	5.21	259,706	0.8	9
			Sep.	4.32	215,173	0.7	7
			Oct.	3.45	171,888	0.5	6
			Nov.	2.66	132,350	0.4	5
			Dec.	2.16	107,794	0.3	4
Sub Total				44.98	2,241,626	6.9	10